

INFORMATION DISCLOSURE CITATION

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Applicant: Mark Kolkman	
Filing Date: October 9, 2001	Group: 1641
Page 1 of 2	Date of this Submission: September 5, 2003

US PATENT DOCUMENTS

Examiner's	Document				Sub-	Filing
Initial	Number	Date	Name	Class	Class	Date
<i>h</i>	4,923,808	5/8/90	Matteucci			
<i>h</i>	5,578,464	11/26/96	Lunn et al.			

FOREIGN PATENT DOCUMENTS

Examiner's	Document				Sub-	Translation
Initials	Number	Date	Country	Class	Class	Yes/No
<i>h</i>	0 955,370 A2	11/10/99	EP			
<i>h</i>	WO 99/42121	8/26/99	PCT			

OTHER DOCUMENTS

Examiner's	
Initials	Author, Title, Date, Pertinent Pages, etc.
<i>h</i>	Abo, Tatsuhiro et al., « SsrA-mediated tagging and proteolysis of LacI and its role in the regulation of lac operon, » EMBO Journal, 19:3762-3769, 2000.
	Arima, Hiduyuki et al., « Enhanced secretion of hydrophobic peptide fused lysozyme by the introduction of N-glycosylation signal and the disruption of calnexin gene in Saccharomyces cerevisiae, » FEBS Letters Vol. 440, no. 1-2, pp. 89-92, 1998.
	Atkins, John F. et al., « A case for trans translation, » Nature, 379:769-771, 1998.
	Gottesman, Susan et al., « The ClpXP and ClpAP proteases degrade proteins with carboxy-terminal peptide tails added by the SsrA-tagging system, » Genes and Dev., 12 :1338-1347, 1998.
	Guérout-Fleury, Anne-Marie et al., « Antibiotic-resistance cassettes for Bacillus subtilis, » Gene, 167:335-336, 1995.
	*Hale & Marham, The Harper Collins Dictionary of Microbiology, Harper Perennial, Ny, 1991.
	Herman, Christophe, et al., « Degradation of carboxy-terminal-tagged cytoplasmic proteins by the Escherichia coli protease HflB (FtsH), » Genes and Dev., 12 :1348-1355, 1998.
	Jentsch, Stefan, « When Proteins Receive Deadly Messages at Birth, » Science, 271 :955-956, 1996.
	Karzai, A. Wali et al., « SmpB, a unique RNA-binding protein essential for the peptide-tagging activity of SsrA (tmRNA), » EMBO J., 18 :3793-3799, 1999.
	Karzai, A. Wali et al., « The SsrA-SmpB system for protein tagging, directed degradation and ribosome rescue, » Nat. Struct. Biol., 7 :449-455, no. 7, 2000.
	Keiler, Kenneth C. et al., « Role of a Peptide Tagging System in Degradation of Proteins' Synthesized from Damaged Messenger RNA, » Science, 271:990-993, 1996.
	Kühn, Sabine et al., « The baculovirus expression vector pBSV-8His directs secretion of histidine-tagged proteins, » Gene 162 :225-229 9/11/85, XP004042020.
	Kunst, F. et al., « The complete genome sequence of the Gram-positive bacterium Bacillus subtilis, » Nature, 390:249-256, 1997.
	Muto, Akira et al., « Requirement of transfer-messenger RNA for the growth of Bacillus subtilis under stresses, » Genes Cells, 5 :627-635, 2000.
	Roche, Eric D. et al., « SsrA-mediated peptide tagging caused by rare codons and tRNA scarcity, » EMBO J., 18:4579-4589, 1999.
	*Sambrook, J. et al., Molecular Cloning, A Laboratory Manual, 2nd Ed., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York, Ch. 9 & 11 1989
	Simonen, Marjo et al., « Protein Secretion in Bacillus Species, » Microbiological Reviews, American Society for Microbiology, Washington D.C., U.S. Vol. 57, no. 1 3/1/93, pp. 108-137.
<i>h</i>	*Singleton et al., Dictionary of Microbiology and Molecular Biology, 2 nd ed., John Wiley & Sons, New York, 1994.

Examiner	Date Considered
<i>Konstantina Kolt</i>	<i>2/3/04</i>
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
PTO-1449	

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TECH CENTER 1600/2900

OTHER DOCUMENTS

Examiner's		
Initials	Author, Title, Date, Pertinent Pages, etc.	
u	Tu, Guo-Fen et al., « C-terminal Extension of Truncated Recombinant Proteins in Escherichia coli with a 10Sa RNA Decapeptide, » J. Biol. Chem., 270:9322-9326, 1995.	
	Udaka, Shigezo et al., « High-Level Secretion of Heterologous Proteins by Bacillus brevis, » Methods In Enzymology, Academic Press, Inc., 217 :23-33, 1993.	
	Ushida, Chisato et al., « tRNA-like structures in 10Sa RNAs of Mycoplasma capricolum and Bacillus subtilis, » Nucleic Acids Res., 22 :3392-3396, 1994.	
	Vagner, Valérie et al., « A vector for systematic gene inactivation in Bacillus subtilis, » Microbiology, 144 :3097-3104, 1998.	
	Van Dijk, Jân Maarten et al., « Non-functional expression of Escherichia coli signal peptidase I in Bacillus subtilis, » J. Gen. Microbiol., 137:2073-2083, 1991.	
	Van Leen, Rob W. et al., « Production of Human Interleukin-3 Using Industrial Microorganisms, » Biotechnology, 9 :47-52, 1991.	
	Wiegert, Thomas et al., « SsrA-Mediated Tagging in Bacillus subtilis, » J. Bacteriol., 183 :3885-3889, 2001.	
	Williams, Kelly P., « The tmRNA Website, » Nucleic Acids Res., 28 :168, 2000.	
	Williams, Kelly P. et al., « Resuming translation on tmRNA : an unique mode of determining a reading frame, » EMBO J., 18 :5423-5433, 1999.	
	Wu, Xu-Chu, « Engineering a Bacillus subtilis Expression-Secretion System with a Strain Deficient in Six Extracellular Proteases, » J. Bacteriol., 173 :4952-4958, 1991.	
d	PCT International Search Report	
Examiner	Kristina Kotel	Date Considered 2/3/04
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 809; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		
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